

PC-0022 CIP

<110> Tang, Y. Tom
Walker, Michael G.

<120> GROWTH-RELATED INFLAMMATORY AND IMMUNE RESPONSE PROTEIN

<130> PC-0022 CIP

<140> To Be Assigned
<141> Herewith

<160> 14

<170> PERL Program

<210> 1

<211> 464

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 040371.3

<400> 1

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Ile His Ile Arg Asn Lys Ile Leu Thr Gly Ala Asp Gly Lys Asn
20 25 30
Leu Thr Lys Asn Asp Leu Tyr Pro Asn Pro Lys Pro Glu Val Leu
35 40 45
His Met Ile Tyr Met Arg Ala Leu Gln Ile Val Tyr Gly Ile Arg
50 55 60
Leu Glu His Phe Tyr Met Met Pro Val Asn Ser Glu Val Met Tyr
65 70 75
Pro His Leu Met Glu Gly Phe Leu Pro Phe Ser Asn Leu Val Thr
80 85 90
His Leu Asp Ser Phe Leu Pro Ile Cys Arg Val Asn Asp Phe Glu
95 100 105
Thr Ala Asp Ile Leu Cys Pro Lys Ala Lys Arg Thr Ser Arg Phe
110 115 120
Leu Ser Gly Ile Ile Asn Phe Ile His Phe Arg Glu Ala Cys Arg
125 130 135
Glu Thr Tyr Met Glu Phe Leu Trp Gln Tyr Lys Ser Ser Ala Asp
140 145 150
Lys Met Gln Gln Leu Asn Ala Ala His Gln Glu Ala Leu Met Lys
155 160 165
Leu Glu Arg Leu Asp Ser Val Pro Val Glu Glu Gln Glu Glu Phe
170 175 180
Lys Gln Leu Ser Asp Gly Ile Gln Glu Leu Gln Gln Ser Leu Asn
185 190 195
Gln Asp Phe His Gln Lys Thr Ile Val Leu Gln Glu Gly Asn Ser
200 205 210
Gln Lys Lys Ser Asn Ile Ser Glu Lys Thr Lys Arg Leu Asn Glu
215 220 225
Leu Lys Leu Ser Val Val Ser Leu Lys Glu Ile Gln Glu Ser Leu
230 235 240
Lys Thr Lys Ile Val Asp Ser Pro Glu Lys Leu Lys Asn Tyr Lys

245	250	255
Glu Lys Met Lys Asp Thr Val Gln Lys	Leu Lys Asn Ala Arg	Gln
260	265	270
Glu Val Val Glu Lys Tyr Glu Ile Tyr	Gly Asp Ser Val Asp	Cys
275	280	285
Leu Pro Ser Cys Gln Leu Glu Val Gln	Leu Tyr Gln Lys Lys	Ile
290	295	300
Gln Asp Leu Ser Asp Asn Arg Glu Lys	Leu Ala Ser Ile Leu	Lys
305	310	315
Glu Ser Leu Asn Leu Glu Asp Gln Ile	Glu Ser Asp Glu Ser	Glu
320	325	330
Leu Lys Lys Leu Lys Thr Glu Glu Asn	Ser Phe Lys Arg	Leu Met
335	340	345
Ile Val Lys Lys Glu Lys Leu Ala Thr	Ala Gln Phe Lys Ile	Asn
350	355	360
Lys Lys His Glu Asp Val Lys Gln Tyr	Lys Arg Thr Val Ile	Glu
365	370	375
Asp Cys Asn Lys Val Gln Glu Lys Arg	Gly Ala Val Tyr	Glu Arg
380	385	390
Val Thr Thr Ile Asn Gln Glu Ile Gln	Lys Ile Lys Leu Gly	Ile
395	400	405
Gln Gln Leu Lys Asp Ala Ala Glu Arg	Glu Lys Leu Lys Ser	Gln
410	415	420
Glu Ile Phe Leu Asn Leu Lys Thr Ala	Leu Glu Lys Tyr	His Asp
425	430	435
Gly Ile Glu Lys Ala Ala Glu Asp Ser	Tyr Ala Lys Ile Asp	Glu
440	445	450
Lys Thr Ala Glu Leu Lys Arg Lys Met	Phe Lys Met Ser Thr	
455	460	

<210> 2
<211> 1979
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 040371.3

<400> 2
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aggtgagcgc gagaggacgg aggaaggaag cctgcagaca gacgccttct ccatcccaag 180
gcccggggcag gtgcggggac gctggggctg gcgggtttt cgtcgtgctc agcgggtggga 240
ggaggcggaa gaaaccagag cctggagat taacaggaaa cttccaagat gaaaaactttg 300
tctttccca gatataatgt agctgagatt gtgattcata ttgcataataa gatctaaca 360
ggagctgatg gtaaaaacct caccaagaat gatctttatc caaatccaaa gcctgaagtc 420
ttgcacatga tctacatgag agccttacaa atatgtatg gaattcgact ggaacatttt 480
tacatgtatgc cagtgaactc tgaagtcatg tatccacatt taatggagg cttcttacca 540
ttcagcaatt tagttactca tctggactca tttttgccta tctgccgggt gaatgacttt 600
gagactgctg atattctatg tccaaaagca aaacggacaa gtcggtttt aagtggcatt 660
atcaacttta ttcacttcag agaagcatgc cgtgaaacgt atatggatt tctttggcaa 720
tataaatcct ctgcggacaa aatgcaacag ttaaacgccc cacaccagga ggcattaatg 780
aaactggaga gacttgattc tggtccagtt gaagagcaag aagagttcaa gcagcttca 840
gatgaaatttc aggagctaca acaatcacta aatcaggatt ttcatcaaaa aacgatagtg 900
ctgcaagagg gaaattccca aaagaagtca aatatttcag agaaaaccaa gcgttgaat 960

gaactaaaat tgcgggtggt ttctttgaaa gaaatacaag agagttgaa aacaaaaatt 1020
gtggattctc cagagaagtt aaagaattat aaagaaaaaa taaaagatac ggtccagaag 1080
ctaaaaatg ccagacaaga agtgggtggag aatatgaaa tctatggaga ctcagttgac 1140
tgcctgcct catgtcagtt ggaagtgcag ttatatcaa agaaaataca ggaccttca 1200
gataataggg aaaaattagc cagttatcta aaggagagcc tgaacttggg ggaccaaatt 1260
gagagtgtat agtcagaact gaagaaattg aagactgaag aaaattcggt caaaagactg 1320
atgattgtga agaaggaaaa acttgccaca gcacaattca aaataaataa gaagcatgaa 1380
gatgttaagc aatacaaacg cacagtaatt gaggattgca ataaagttca agaaaaaaga 1440
ggtgctgtct atgaacgagt aaccacaatt aatcaagaaa tccaaaaaat taaaacttggg 1500
attcaacaac taaaagatgc tgctgaaagg gagaaactga agtcccagga aatatttcta 1560
aacttgaaaaa ctgcttggg gaaataccac gacgttattg aaaaggcagc agaggactcc 1620
tatgctaaga tagatgagaa gacagctgaa ctgaagagga agatgttca aatgtcaacc 1680
tgattaacaa aattacatgt cttttgtaa atggcttgc atcttttaat ttcttattta 1740
gaaagaaaaag ttgaagcgaa ttgaaagtatc agaagtacca aataatgtt gcttcatcag 1800
tttttataca ctctcataag tagttataaa gatgaattta atgtaggctt ttattaattt 1860
ataattaaaaa taacttgtc agcttattcat gtctctactc tgccccctgt tgtaaatagt 1920
tttagttaaaa caaaaactagt tacctttgaa atatataat tttttctgt tacaaaaaaa 1979

<210> 3
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 6257588H1

<400> 3
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ttgactttgc ttgttagctgc tccccgaact cggcgcttc ctgtcggcg ccgcactgt 120
aggtgagcgc gagatgacgg aggaaggaag cctgcagaca gacgcctct ccatcccaag 180
gcgcggcag gtgcgggac gctgggcctg gcgggtttt cgtcgtgctc 230

<210> 4
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2914466F6

<220>
<221> unsure
<222> 117, 469
<223> a, t, c, g, or other

<400> 4
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gctccccgaa ctcgcgtct tcctgtcgcc ggccggact gtaggtgagc gcgagangac 120
ggaggaagga agcctgcaga cagacgcctt ctccatccca aggcgccggc aggtgccggg 180
acgctgggcc tggcggttt ttcgtcgtgc tcagcggtgg gaggaggcg aagaaaccag 240
agcctggag attaacagta aacttccaag atggaaactt tgtctttcc cagatataat 300
gtagctgaga ttgtgattca tattcgcaat aagatctta caggagctga tggtaaaaac 360
ctcaccaaga atgatctta tccaaatcca aagcctgaag tcttgcacat gatctacatg 420
agagccttac aaatagtcta tggaaattcga ctggAACATT tttacatgtt gcccgtgaac 480

PC-0022 CIP

tctgaagtca tgtatccaca ttaatggaa ggcttttacc attcagcaat tttagt 535

<210> 5

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7702863H2

<400> 5

ctgtcgccgg ccggcactgt aggtgagcgc gagaggacgg aggaaggaag cctgcagaca 60
gacgccttct ccatccaaag gcgcgggcag gtgcgggac gctgggcctg gcgggtttt 120
cgtcggtctc agcggtggaa ggaggcggaa gaaaccagag cctggagat taacaggaaa 180
cttccaagat ggaaaccttg tcttccccca gatataatgt agctgagatt gtgattcata 240
ttcgcaataa gatctaaca ggagctgatg gtaaaaaacct caccaagaat gatcttatac 300
caaattccaaa gcctgaagtc ttgcacatga tctacatgag agccttacaa atagtctatg 360
gaattcgact ggaacat tttt taca 384

<210> 6

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 6421045H1

<400> 6

ccgggacgct gggctggcg gtgtttcgt cgtgctcagc ggtggagga ggccgaagaa 60
accagagcct gggagattaa cagggaaactt ccaagatgga aactttgtct ttccccagat 120
ataatgtac tgagattgtg attcatattc gcaataagat cttaacagga gctgatggta 180
aaaacacctac caagaatgat ctatccaa atccaaagcc tgaagtctt cacatgatct 240
acatgagagc ctatccaaata gtatatggaa ttgcactgga acattttac atgatgccag 300
tgaactctga agtcatgtat ccacattaa tggaggctt cttaccatc agcaatttag 360
ttactcatct ggactctattt ttgcctatct gccgggtgaa tgactttgag actgctgata 420
ttctatgtcc aaaagcaaaa cggacaagtc ggtttttaag tggcattatc aactttattc 480
acttcagaga agcatgccgt gaaacgtata tggattttct ttggcgatataaaatcctctg 540
cg 542

<210> 7

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3727909T1

<220>

<221> unsure

<222> 119, 123-124, 390, 415, 488-489, 497

<223> a, t, c, g, or other

<400> 7

PC-0022 CIP

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tttntgaaaa tcctgattta gtgattgttg tagccctga attccatctg aaagctgctt 180
gaactctct tgctttcaa ctggAACAGA atcaagtctc tccagttca ttaatgcctc 240
ctgggtgtgcgc gcgttaact gttgcatttt gtccgcagag gatttatatt gccaaagaaa 300
ttccatatac gtttacggc atgcttctt gaagtgaata aagttgataa tgccacttaa 360
aaaccgactt gtccgttttgcgttggacn tagaatatca gcagtctcaa agtcnttcac 420
ccggcagata ggcaaaaatg agtccagatg agtaactaaa ttgctgaatg gtaagaagct 480
cgagcctnnnt ttccccnagc ttaacgtacc gcgtgcattgc ga 522

<210> 8
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 6562592H1

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tattcaggag ctacaacaat cactaaatca ggatttcat caaaaaacga tagtgctgca 120
agagggaaat tcccaaaaaga agtcaaataat ttcaagagaaa accaagcggtt tgaatgaact 180
aaaattgtcg gtgggttctt tgaaagaaaat acaagagagt ttgaaaacaa aaattgtgga 240
ttctccagag aagttaaaga attataaaga aaaaatgaaa gatacggtcc agaagcttaa 300
aaatgccaga aagtgtgga gaaatatgaa atctatggag actcagttga ctgcctgcct 360
tcatgtcagt tggaaagtgcgttataatcaa aagaaaatac aggaccttc agataatagg 420
gaaaaatttag ccagtatctt aaaggagagc ctgaacttgg aggacccaaat tgagagtgt 480
gagtcagaac tgaagaaaattt gaagactgaa gaaaattcgt tcaaaagact gatgattgtg 540
aagaaggcaa aacttgccac agcacaattc acaataaattt agaagcatga agatg 595

<210> 9
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 6729631H1

<400> 9
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ttgtcggtgg tttctttgaa agaaaataccaa gagagttggaa aaacaaaaat tggattct 120
ccagagaagt taaagaatta taaagaaaaa atgaaagata cggtccagaa gctaaaaat 180
gccagacaag aagtgtgga gaaatatgaa atctatggag actcagttga ctgcctgcct 240
tcatgtcagt tggaaagtgcgttataatcaa aagaaaatac aggaccttc agataatagg 300
gaaaaatttag ccagtatctt aaaggagagc ctgaacttgg aggacccaaat tgagagtgt 360
gagtcagaac tgaagaaaattt gaagactgaa gaaaattcgt tcaaaagact gatgattgtg 420
aagaaggaaaa aacttgccac agcacaatttcaaaaataaata agaagcatga agatgtgttag 480
caatacaaaac gcacagtaat tgaggattgc cataaagttc cagaaaaaaag aggtgctgtc 540
tatgaacgag taaccacaat taatccagaa atccaaaaaaat t 581

<210> 10
<211> 511
<212> DNA
<213> Homo sapiens

PC-0022 CIP

<220>
<221> misc_feature
<223> Incyte ID No: 7702863J1

<400> 10
tttttgtaa cagaaaaaaa tatatatatt tcaaaggtaa ctagtttgt tttactcaa 60
ctatttacaa caagggcag agtagagaca tgaatagctg cacaagttat tttaattata 120
aattaataaa agcctacatt aaattcatct tattaactac ttatgagagt gtataaaaac 180
tgatgaagcc aacattattt ggtacttctg atacttccat tcgcttcaac ttttcttct 240
aaatagaaaa ttaaaagatg gcaagccatt tacaaaaaga catgtatTT tggtaatcg 300
gttgacattt tgaacatctt cctcttcagt tcagctgtct tctcatctat cttagcatag 360
gagtcctctg ctgcctttc aataccgtcg tggatttct ccaaaggcagt ttcaagttt 420
agaaatattt cctggactt cagttctcc cttagcagcag catcttttag ttgttgaatt 480
ccaagttaa tttttggat ttcttgatta a 511

<210> 11
<211> 290
<212> DNA
<213> *Mus musculus*

<220>
<221> misc_feature
<223> Incyte ID No: 700108016H1

<400> 11
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ggaggagact cccacaatgg aaaccttgc attccccaga tacaatgttag ctgagattgt 120
ggttcatatt cgcaataaac tactaacagg agccgatggc aaaaacctct ctaagaatga 180
tcttatcca aacccaaagc ccgatgtctt atacatgatc tacatgagag ctttacaaat 240
agtgtatggg gtccggctgg agcatttcta catgatgcc a gtgaacgcag 290

<210> 12
<211> 289
<212> DNA
<213> *Rattus norvegicus*

<220>
<221> misc_feature
<223> Incyte ID No: 700227686H1

<400> 12
caacggccgg tggatttag gagtttgctc gggttgtaac tgctctttgg tgagctactg 60
ggactgcaga ctaggaggag actcccaaaa tggaaactct gtccttcccc agatacaaca 120
tagctgagat tgttagttcat attcgcaata aactgttaac tggagcggat ggcaaaaacc 180
tctccaagag cgattttctt ccaaaccgcg agcctgaagt cctgtacatg atttacatga 240
gagccttaca gtttagtgtat ggggtccggc tggagcattt ctacatgat 289

<210> 13
<211> 573
<212> DNA
<213> *Rattus norvegicus*

<220>
<221> misc_feature
<223> Incyte ID No: 702436073T1

<400> 13

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 gtgttagcctg caaggccctg agttgttatcc cctatcacca agaaaaaaaac acagggagca 120
 catggtcata aaaggacaga gaaccaatgg taccacgct agttagctga gactgcggc 180
 ctcttattag cttcaatata actactccaa acagaaaagcg acagcgcgt tttcgggtgg 240
 ctgttgatca gggcggcatt ttgaacatcc tcctcttcag ctcggcagtc ttccctccta 300
 ttcttagtgca gcactcctcc gtcgtcttct cgatgccctc atggtacttc tccaaagcac 360
 ttttcaagtc taccaagatt tcctgagact tcagtttctc ccgttttcg gcgtctctta 420
 gctgctgaat cccagattt aatcttgttga tgtcttgatt aatggcggtt acttgctcgc 480
 agacagcatc tctttttct tgaactttat tgcaatctct aaaagggAAC agagacacct 540
 gacgtaacct ctcttaagca ttttaaaaac cat 573

<210> 14

<211> 464

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: HW051

<220>

<221> unsure

<222> 10, 20, 30, 39, 70, 87, 102, 115, 126, 145, 157, 170, 195, 224, 253,
306, 319, 339, 360, 378, 395

<223> unknown or other

<400> 14

Met	Glu	Thr	Leu	Ser	Phe	Pro	Arg	Tyr	Asn	Ile	Ala	Glu	Ile	Val
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									20					30
Leu	Ser	Lys	Ser	Asp	Phe	Leu	Pro	Asn	Pro	Lys	Pro	Glu	Val	Leu
										35				45
Tyr	Met	Ile	Tyr	Met	Arg	Ala	Leu	Gln	Leu	Val	Tyr	Gly	Val	Arg
									50					60
Leu	Glu	His	Phe	Tyr	Met	Met	Pro	Val	Asn	Ile	Glu	Val	Met	Tyr
									65					75
Pro	His	Ile	Met	Glu	Gly	Phe	Leu	Pro	Val	Ser	Asn	Leu	Phe	Phe
									80					90
His	Leu	Asp	Ser	Phe	Met	Pro	Ile	Cys	Arg	Val	Asn	Asp	Phe	Glu
									95					105
Ile	Ala	Asp	Ile	Leu	Tyr	Pro	Lys	Ala	Asn	Arg	Thr	Ser	Arg	Phe
									110					120
Leu	Ser	Gly	Ile	Ile	Asn	Phe	Ile	His	Phe	Arg	Glu	Thr	Cys	Leu
									125					135
Glu	Lys	Tyr	Glu	Glu	Phe	Leu	Leu	Gln	Asn	Lys	Ser	Ser	Val	Asp
									140					150
Lys	Ile	Gln	Gln	Leu	Ser	Asn	Ala	His	Gln	Glu	Ala	Leu	Met	Lys
									155					165
Leu	Glu	Lys	Leu	Asn	Ser	Val	Pro	Val	Glu	Glu	Gln	Glu	Glu	Phe
									170					180
Lys	Gln	Leu	Lys	Asp	Asp	Ile	Gln	Glu	Leu	Gln	His	Leu	Leu	Asn
									185					195
Gln	Asp	Phe	Arg	Gln	Lys	Thr	Thr	Leu	Leu	Gln	Glu	Arg	Tyr	Thr
									200					210

Lys Met Lys Ser Asp Phe Ser Glu Lys Thr Lys His Val Asn Glu
215 220 225
Leu Lys Leu Ser Val Val Ser Leu Lys Glu Val Gln Asp Ser Leu
230 235 240
Lys Ser Lys Ile Val Asp Ser Pro Glu Lys Leu Lys Asn Tyr Lys
245 250 255
Glu Lys Met Lys Asp Thr Val Gln Lys Leu Arg Ser Ala Arg Glu
260 265 270
Glu Val Met Glu Lys Tyr Asp Ile Tyr Arg Asp Ser Val Asp Cys
275 280 285
Leu Pro Ser Cys Gln Leu Glu Val Gln Leu Tyr Gln Lys Lys Ser
290 295 300
Gln Asp Leu Ala Asp Asn Arg Glu Lys Leu Ser Ser Ile Leu Lys
305 310 315
Glu Ser Leu Asn Leu Glu Gly Gln Ile Asp Ser Asp Ser Ser Glu
320 325 330
Leu Lys Lys Leu Lys Thr Glu Glu Asn Ser Leu Ile Arg Leu Met
335 340 345
Thr Leu Lys Lys Glu Arg Leu Ala Thr Met Gln Phe Lys Ile Asn
350 355 360
Lys Lys Gln Glu Asp Val Lys Gln Tyr Lys Arg Thr Met Ile Glu
365 370 375
Asp Cys Asn Lys Val Gln Glu Lys Arg Asp Ala Val Cys Glu Gln
380 385 390
Val Thr Ala Ile Asn Gln Asp Ile His Lys Ile Lys Ser Gly Ile
395 400 405
Gln Gln Leu Arg Asp Ala Glu Lys Arg Glu Lys Leu Lys Ser Gln
410 415 420
Glu Ile Leu Val Asp Leu Lys Ser Ala Leu Glu Lys Tyr His Glu
425 430 435
Gly Ile Glu Lys Thr Thr Glu Glu Cys Cys Thr Arg Ile Gly Gly
440 445 450
Lys Thr Ala Glu Leu Lys Arg Arg Met Phe Lys Met Pro Pro
455 460